

FIG. 1

packets from outside virtual network
to within virtual network

Virtual Network

Original packet has
header with long (48 bit)
destination and source
addresses

Forward packet to
destination node in
virtual network using
short address

Interface for virtual network:
1. Looks up corresponding short address;
2. Replaces long destination address and
source address (optional) with short
address(es);
3. Identifies address type (long or short)
in header.

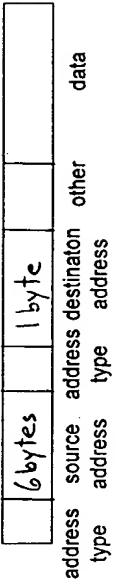
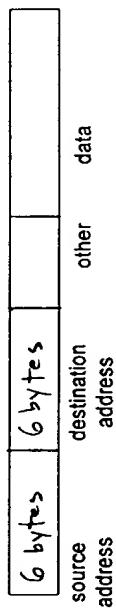
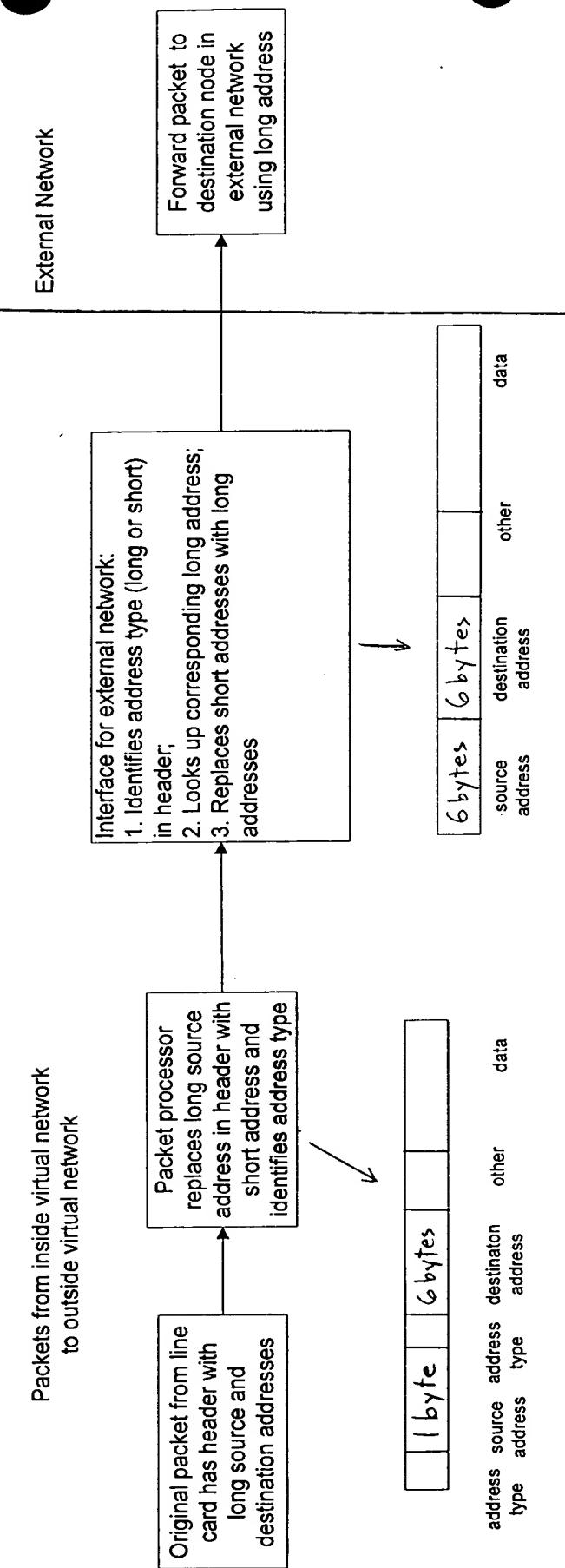


FIG. 2

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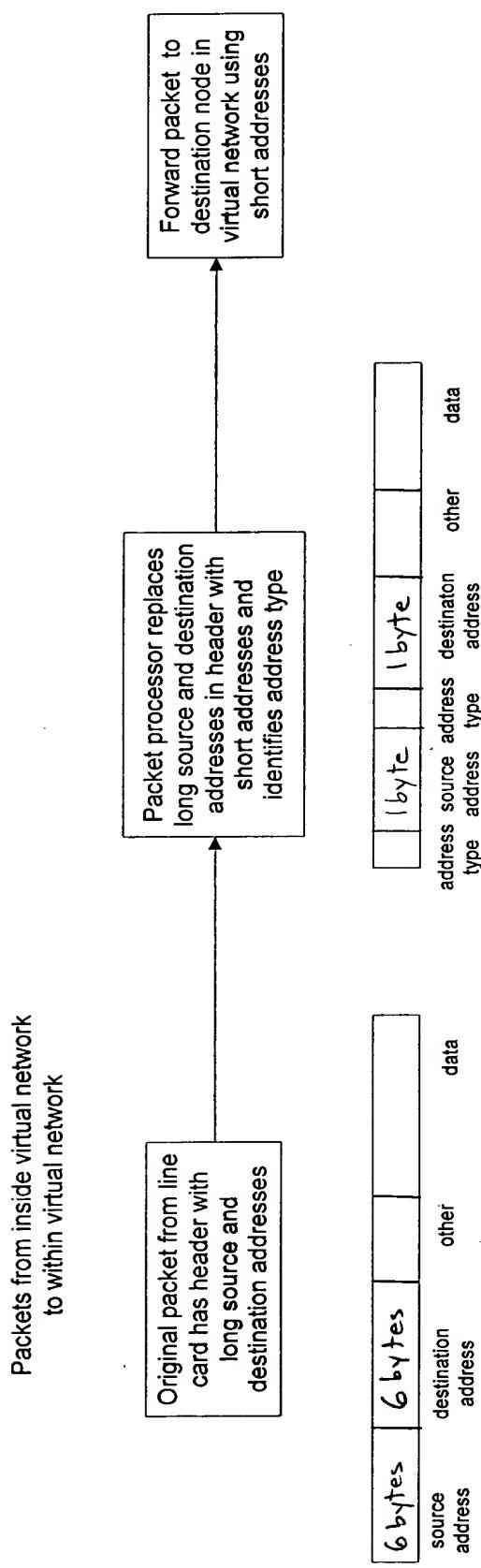


FIG. 4

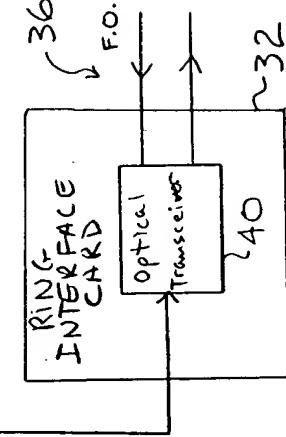
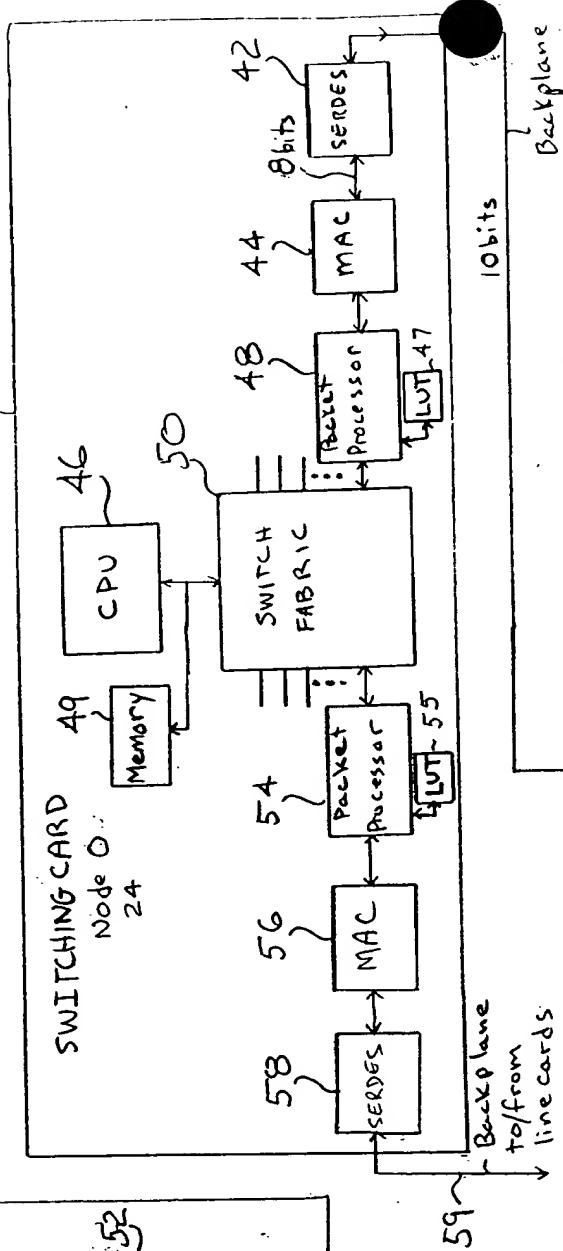
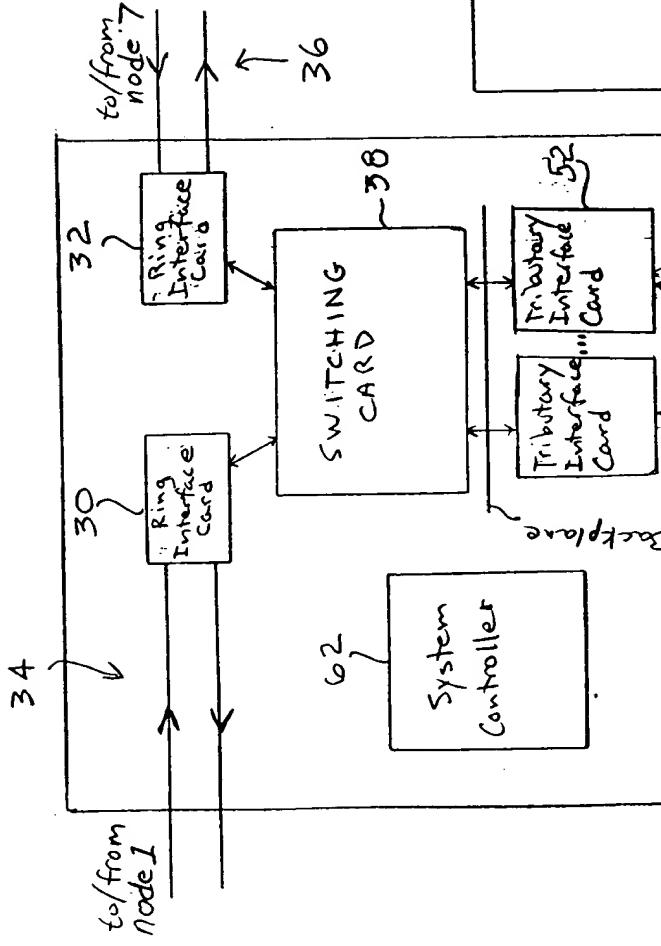


FIG. 5

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FIG. 6

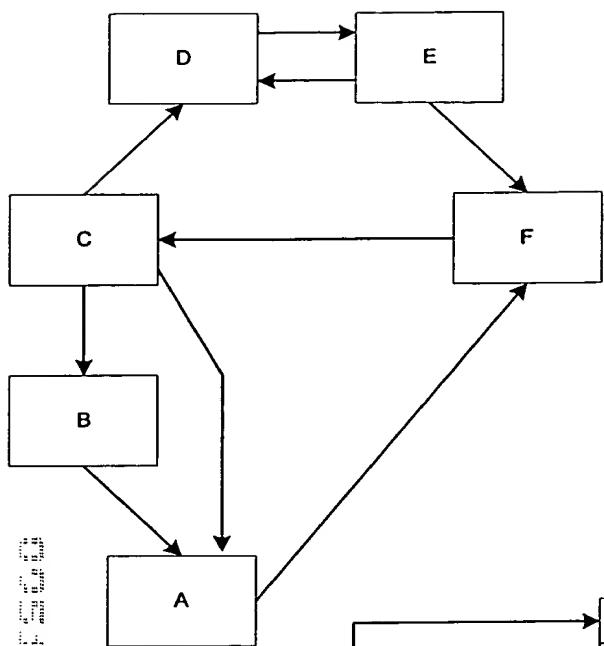


FIG. 7

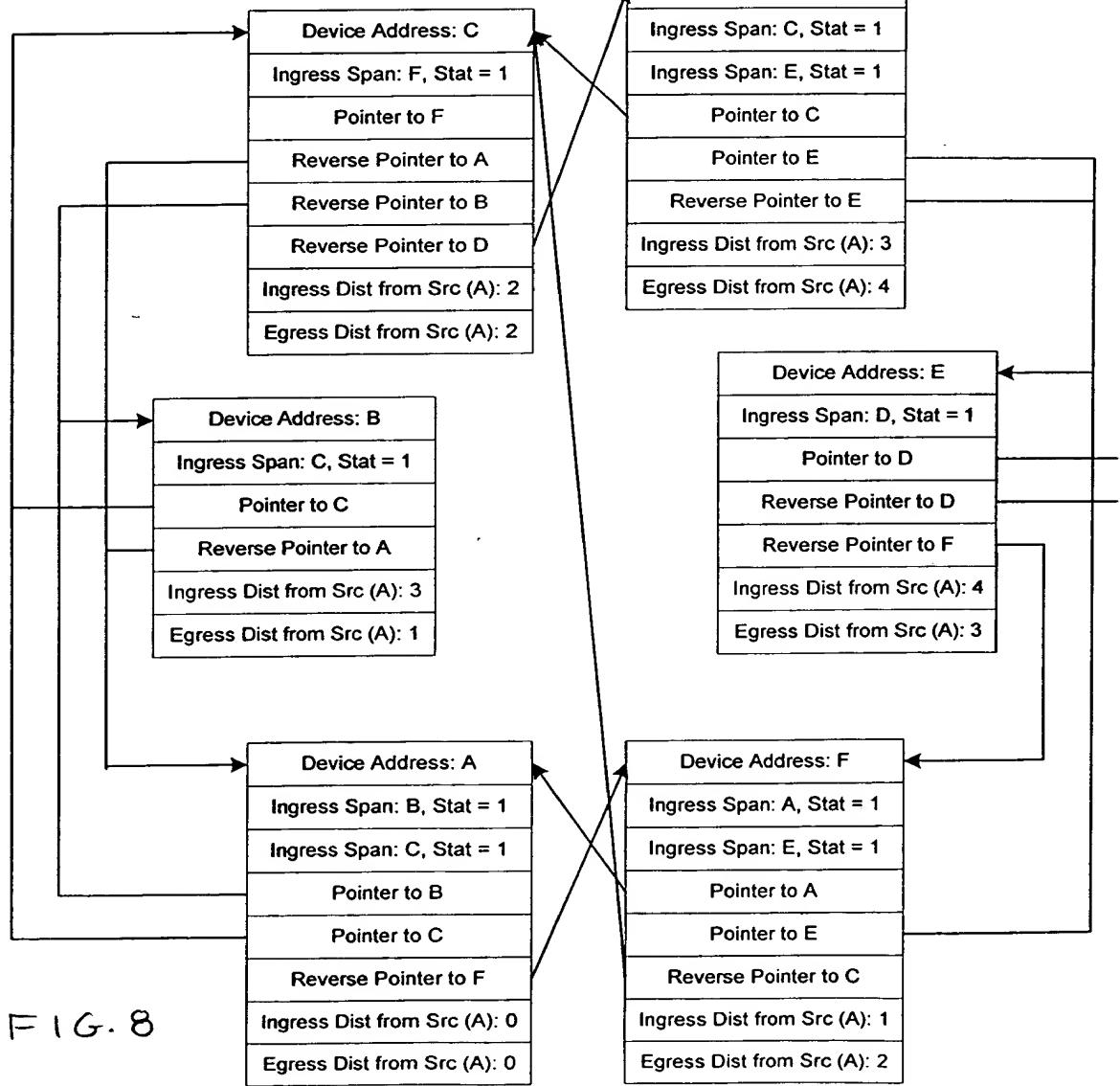


FIG. 8

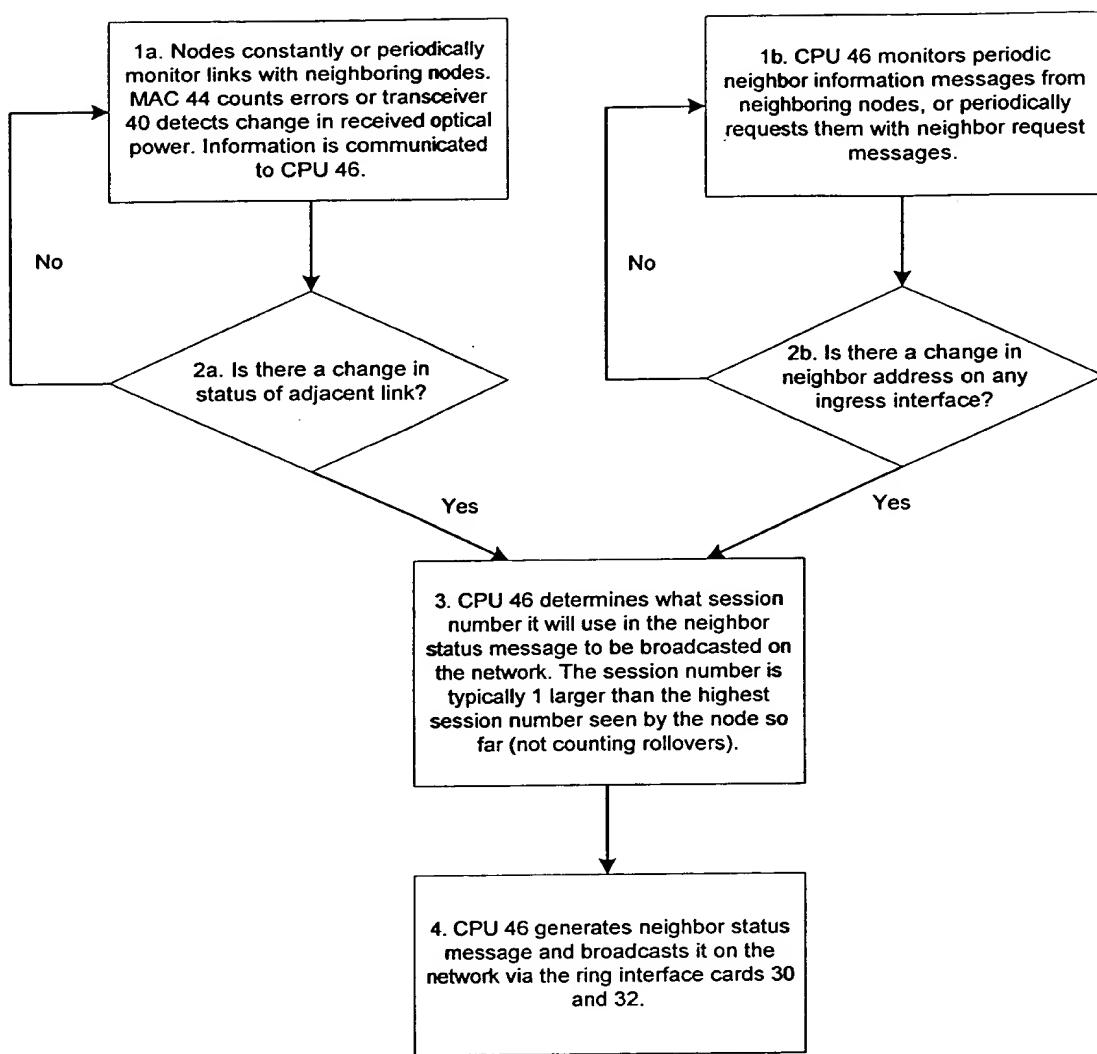


FIG. 9

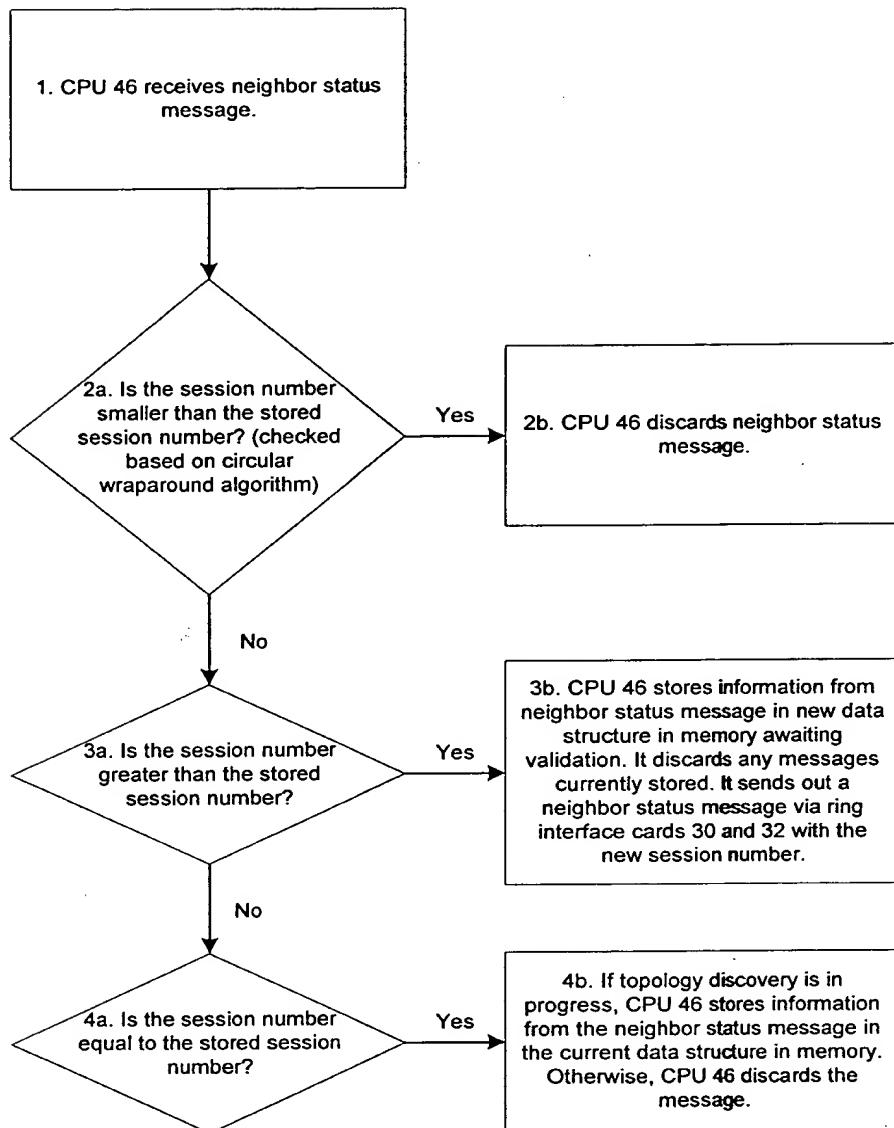


FIG. 10

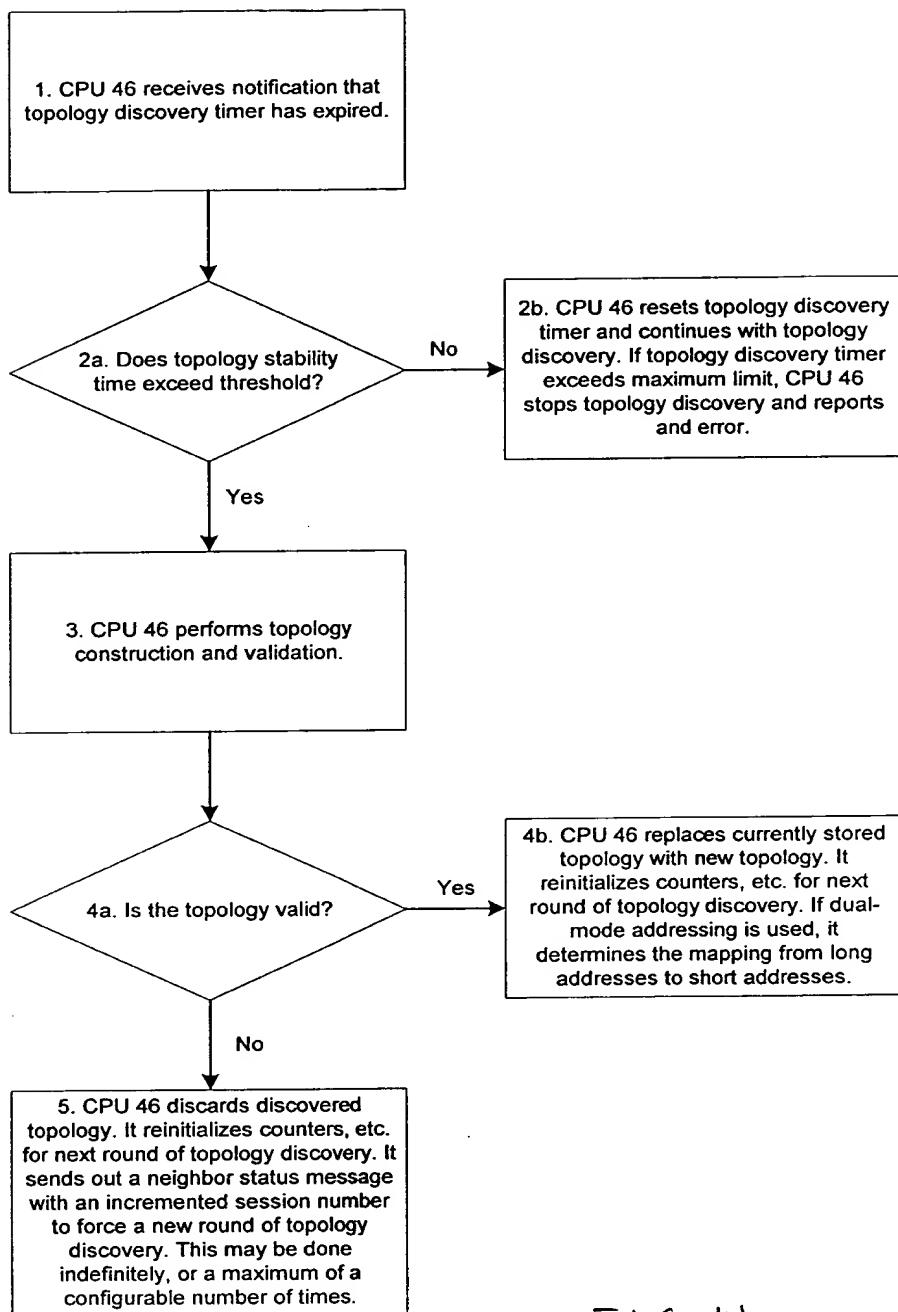


FIG. 11

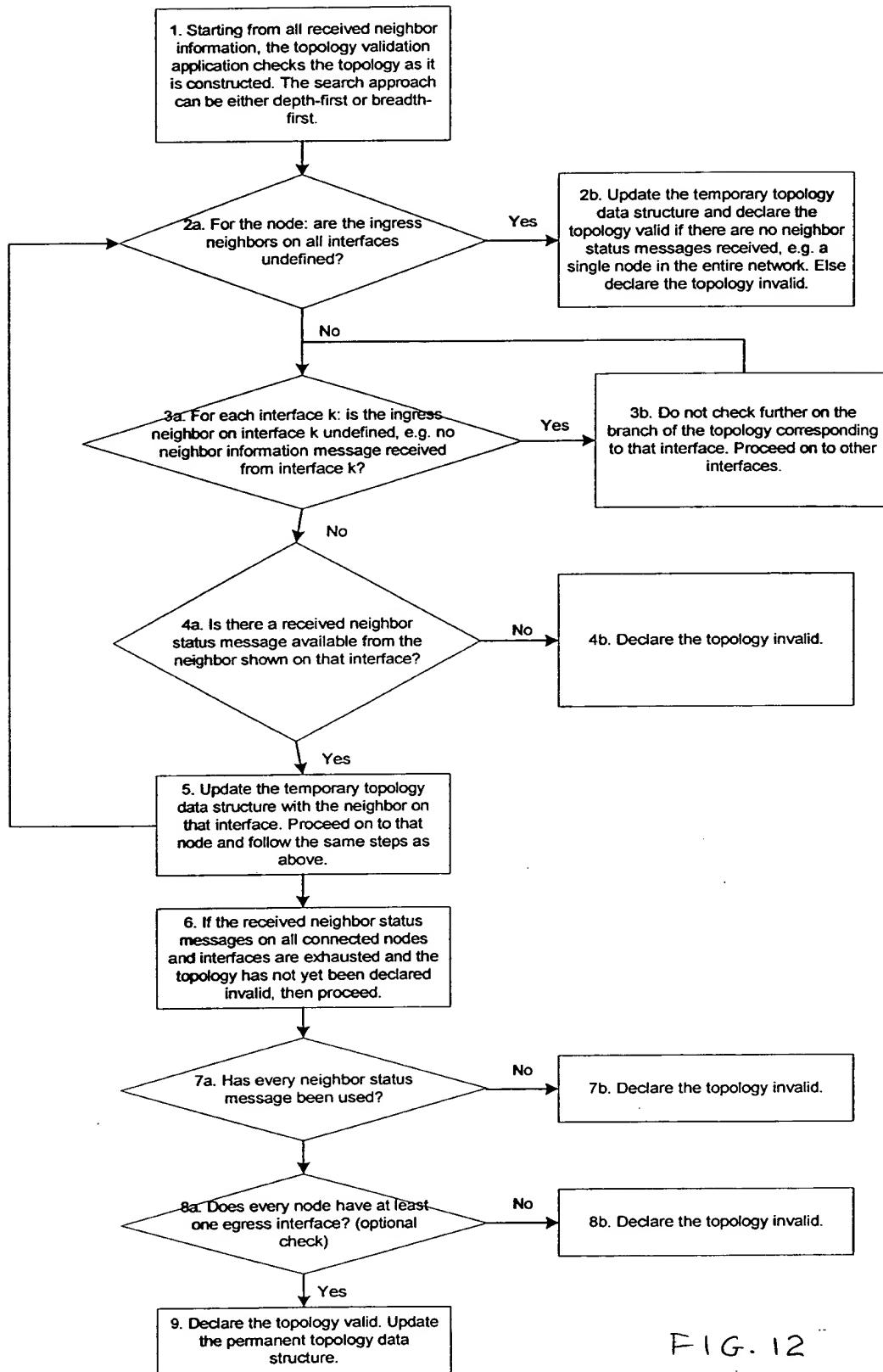


FIG. 12